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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,680	10/17/2005	Kumar Kirti Trivedi	KS9219PCT(US)	1836
22203	7590	07/18/2008	EXAMINER	
KUSNER & JAFFE HIGHLAND PLACE SUITE 310 6151 WILSON MILLS ROAD HIGHLAND HEIGHTS, OH 44143			PHAM, JOHN D	
			ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/553,680	Applicant(s) TRIVEDI, KUMAR KIRTI	
	Examiner JOHN D. PHAM	Art Unit 2184	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 April 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1 April, 2008</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Claims:

1. Claims 1-11 are pending in this Office Action.

Claims 1 is amended.

The claims and only the claims form the metes and bounds of the invention. "Office personnel are to give claims their broadest reasonable interpretation in light of the supporting disclosure. In re Morris, 127 F.3d 1048, 1054-55, 44 USPQ2d 1023, 1027-28 (Fed. Cir. 1997). Limitations appearing in the specification but not recited in the claim are not read into the claim. In re Prater, 415 F.2d 1393, 1404-05, 162 USPQ 541, 550-551 (CCPA 1969)" (MPEP p 2100-8, c 2, I 45-48; p 2100-9, c 1, I 1-4). The Examiner has full latitude to interpret each claim in the broadest reasonable sense. The Examiner will reference prior art using terminology familiar to one of ordinary skill in the art. Such an approach is broad in concept and can be either explicit or implicit in meaning.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ko (US 6522419) in view of Vaughan (US 6,259,440).

Referring to claim 1, Ko teaches

A portable, integrated, electronic, interactive device for community learning, data transmission, entertainment, and public governance comprising:

(a) a housing (Ko, Figure 9);

(b) said housing accommodating a plurality of sub-assemblies (Ko, Fig. 2A) in pre-connected relationship with each other (Ko, Fig. 9 and Fig. 10, all sub-assemblies like system board, DVD drives, projector devices are connected in a single housing and very compact);

(c) said sub-assemblies including:

i. a computational circuit for generating, receiving, processing, and data input through an input device and adapted to be connected to a network, as well as various digital data communication devices (Ko, column 1 line 66 to column 2, line 1-13); and

ii. a recording device for recording, reproducing and storing audio, video and/or digital data onto and/or from an external disk and an internal storage unit coupled to said computational circuit (Ko, column 1, line 66 to column 2, line 8);

iii. a television tuner card coupled to said recording device and adapted to receive a plurality of television signal data (Ko, figure 1, item "TV Turner");

iv. a projecting device for projecting video and digital data into a predetermined ultra large size image over a surface external to the housing; coupled to said recording device, computational circuit and television tuner card (Ko, figure 1 and column 2, line 31-35); wherein , said device being extremely compact, portable and easy to use (Ko, Fig. 9; and column 1, lines 50-60).

Ko fails to teach a switch for switching between TV mode and computer mode at anytime during normal working of the device at the user's will.

However, Vaughan teaches a switch for switching between TV mode and computer mode at anytime during normal working of the device at the user's will (Vaughan, column 7, lines 34- 51).

Vaughan and Ko are analogous art because they are both related to multi-media system with video/audio and computer integrated into a single device.

At the time of the invention, it would have been obvious for one of ordinary skill in the art, having the teaching of Ko and Vaughan, to modify the multi-media system from Ko to include a switch or button for switching between TV mode and computer mode, as taught by Vaughan, because it enable user to select a certain function of multi-media system in a very convenient way (Vaughan, column 7, lines 40-45).

Regarding to claim 2, Ko teaches

The device according to claim 1 wherein the housing further comprises an audio amplifier circuit operable in conjunction with the sub-assemblies. (Ko, column 2, line 31- 35). Ko disclose the multimedia presentation system has CDROM, DVD drive (Ko, column 1, line 66-67), speakers (Ko, column 2, line 31- 35) and playing music (Ko, column 1, line 62 - 65, the audio amplifier circuit must be in the Ko's multimedia presentation device in order to output amplified audio signal through the speakers).

Regarding to claim 3, Ko teaches:

The device according to claim 1 wherein the sub-assemblies are operable by a single ON-OFF switch (Ko, column 4, line 50-55).

Regarding to claim 4, Ko teaches:

The device according to claim 1 wherein the housing comprises a front panel and a rear panel and/or the sub-assemblies are operated by an ON-OFF switch located at the front panel of the housing (Ko, column 3, lines 39-45).

Regarding to claim 5, Ko teaches:

The device as claimed in claim 1 wherein the computational circuit is preferably a multimedia computer (Ko, column 3, lines 7 -13).

Regarding to claim 6, Ko teaches:

The device according to claim 1 wherein the recording device for recording, reproducing and storing audio, video and/or digital from an external disk is an audio CD player, a VCD player, a DVD player, an MP3 player, a CD-R/CD-RW or a combination apparatus thereof (Ko, figure 1 and column 1, line 65 to column 2, line 19).

Regarding to claim 7, Ko teaches:

The device according to claim 1 combined with an ultra large size display and wherein the size of the ultra large size display is preferably in the range of about 21 inches to about 300 inches diagonal measure (Ko, column 2, line 31-35). At the time of invention it is well-known for one of ordinary skill in the art that beam projector can enlarge displayed image and the diagonal size of the screen can be in the range of 20 inches up to 300 inches.

Regarding to claim 8, Ko teaches:

The device according to claim 1 wherein the housing comprises a plurality of ports at the rear panel for connecting the device to a network, input for receiving television signals through cable or antenna (Ko, figure 2B and column 2 lines 1-6 and column 3, line 39-43).

Regarding to claim 9, Ko teaches:

The device according to claim 1 wherein a common power supplies power to the sub-assemblies (Ko, column 3 line 39-45); and/or a remote control is used to control the operation of the sub-assemblies (Ko, column 4, line 11-16, it is well-known for one of ordinary skill in the art that computer system board has the input and output devices use different power voltages from the power sources.)

Regarding to claim 10, Ko teaches:

The device according to claim 1 wherein the sub-assemblies (ii), (iii) and (iv) are configured as a first module (Ko, figure 1, item 101-117) and the sub-assembly (i) is configured as a second module (Ko, figure 1, item "IECPU").

Regarding to claim 11, Ko teaches:

The device according to claim 10 wherein: the first module is a data module (Ko, figure 1, item "IECPU");
and/or the second module is a projection module (Ko, column 4, line 43-44); and/or the first module is located adjoining above or besides the second module (Ko, figure 9, item "lens" of the projector on top of the housing unit); and/or the first module and the second module are arranged in back-to-back adjoining configuration (Ko, figure 7).

Response to Arguments

Applicant's arguments filed in the amendment filed 1/1/05, have been fully considered but are moot in view of new grounds of rejection. The reasons set forth below.

The Applicant Argues:

It is respectfully submitted that the '419 patent does not teaches, suggests or shows a device having" a plurality of sub-assemblies in pre-connected relationship with each other

In response, the examiner respectfully submits:

Ko teaches many embodiments of a portable multi-media system. Fig.9 shows that all sub-assemblies like DVD drive, projector device (on the top and system board of the computer are connected in a single housing and very compact. Those sub-assemblies or components are clearly in pre-connect relationship with each other because they are integrated in a portable multi-media device.

The Applicant Argues:

It is respectfully submitted that the '419 patent does not teaches, suggests or shows a projecting device in the housing "for projecting video and digital data into a predetermined ultra large size image over a surface external to the housing," as defined in claim 1 of the present invention.

In response, the examiner respectfully submits:

Ko teaches the portable multi-media system has a projector device in the housing (Fig. 9, the upper part of the housing clearly shows a projector device). It is well known in the art that the projector device can projecting image to an ultra large size external screen.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN D. PHAM whose telephone number is (571)270-1590. The examiner can normally be reached on Monday-Friday 8:30AM - 5:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Henry Tsai can be reached on 571-272-4176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/J. D. P./
Examiner, Art Unit 2184

/Alan S Chen/
Primary Examiner, Art Unit 2182
07/16/08